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bred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| No. | 81111 9100S | Match 100.0 | Match Length DB | 11D |
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| κ- | 1074 | 46. i | 717 | Je7511 |
| _ | 904.5 | 80.9 | 208 2 | JC7082 |
| 4 | 774.5 | 69.3 | 208 2 | 366486 |
| _7 | 774.5 | 64.3 | 2 Brit 2 | A48137 |
| 5 | 708.5 | 6.3.4 | 202 | 305941 |
| 7 | 705.5 | 63.1 | 207 : | 2 Je:5940 |
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| ·, | 7.40 | 25.9 | 1.44 | 2 \$49501 |
| 20 | 583 | 25.8 | 1.89.1 | 2 360184 |
| 2 | 288.5 | 25.8 | 194 2 | 2 150710 |
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| 2.3 | 281.5 | 25.2 | 208 | 2 814192 |
| 24 | 279.5 | 25.0 | 187 | 5.65673 3 |
| | 275 | 24 6 | 206 | 2 JC4268 |
| 25 | 270 | 24.2 | 306 | SHEHAL |
| 67 | 13.00 13.00 13.00 | 12 | 102 | 2 85147 |
| 23 | 256 | 22.9 | 11.5 | 1 A60721 |
| 1,1 | 256 | 22.9 | 202 | SHSWAL |

| basic libroblast | 1 800185 | 146 | 000 NJ | 203 | JI JI |
|----------------------|----------|----------|----------------|-----------------|----------|
| basic libroblast | D 831622 | 16.4 | 18.3 | 204.5 | 44 |
| | 2 (37360 | in | 18.3 | 204.5 | 4- |
| basic fibroblast | 2 A31674 | 154 | 18.3 | 205 | 42 |
| basic tibroblast | 1 GKBOB | 157 | 18.7 | 209 | 4 |
| basic libroblast d | 2 A48834 | 189 | 18.9 | 211.5 | 40 |
| Acade elicated teach | 5 046583 | . 86, | 19.1 | 63 53 | 30 |
| keratinocyte grow | 2 946289 | 9.7 | 19.1 | 214 | 38 |
| basic fibroblast | 5 V35368 | 219 : | | 218.5 | .7 |
| acidic fibroblast | 1 CKHOA | 155 | 21.0 | 234.5 | 36 |
| acidic tiblobrast | 2 JM0055 | 155 | 21.1 | ស ហ ហ | ĻΠ |
| acidic librobiast | 2 A60130 | 155 | ι: | 643. Uπ | 4 |
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| acidic fibroblast | 2 037360 | 155 | 13 15 30 | ស ភា ភា | 13 |
| | 2 504147 | 155 | 13 13 00 | tun ** Un | ند |
| _ | 2 399476 | ;д 10 | 13 13 20 | tij Un | 0.5 |

ALTGNMENTS

fibroblast growth tactor=20 - human

RESULT 1 JC7353

| C;Species: Homo suplens (man) C;Becies: Bomo suplens (man) C;Becies: B8 Sep 2000 #Sequence_revision 08-Sep-2000 #text_change 01-Dec-2000 C;Beces for: JC7353 R;Kirikoshi, H., Sadara, M., Saitoh, T., Tanaka, E., Schibara, H.: Chibrara, F.: Kato Biochem. Biophys. Res. Commun. 274, 337-343, 2000 A;Tille: Molecular cloning and characterization of human FGF-20 on chromosome Bp21.4-A;Reference number: JC7353 A;Recience Sion: JC7353 A;Recience type: mRNA A;Recience (type: mRNA) A;Recience (type: mRNA) A;Recience (type: mRNA) A;Recience (type: mRNA) |
|--|
| A; Remidues: 1°211 ×KIRS A; Cross references: DBBJ:AB044277 C; Commont : This factor is involved in ph C; Genetics: A; Gene: rqt-20 A; Map position: 8p21.3-8p22 C; Superfamily: Tibroblast growth factor C; Keywords: angiogenesis; carcinogenesis |
| Ouery Match Hest Local Similarity 100 Matches 211, Conservative |
| Qy 1 MAPLAEVGGFLGGLEGLGQQVGSHFLLDPAGEKPDLLGEKKSAAERSAKGGPGAAQLAHL |
| 96 |
| 97 121 MNDKORLYSSEKLISEFO FREGERENWYNTYSSN YKNGILGRAYFYALAKDOIPRIOAK |
| ДАМТТОЯАТЗАФАВАФОАНАТАНЬЯ ЗАЙНЯЯ 181 — ФО ТИПТИТИТИТИТИТИТИТИТИТИТИТИТИТИТИТИТИТИ |

Ejektetti Valenda v Mikami i vien n 160 g Akibe, A citch N. Biochem. Biophys. Res. Commun. 277, 355-460, 2000 Ajfitte: PSF-20, a powel neurotrophic factor, protorontially expressed in the substan

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ROKOGA, C.: Alfri, M.: Makata, E.: Mikuchiba, E.: Perahata, Y.: Esto, E.: Col. H.: Cakal
Biochem. Biophys. Res. Commun. 261, 756-765, 1999
Affilie: Characterizatian of a bosed member of the ECF family. MECF 29, in Monapus Lacel
Arbetechnee number: JC7082; MOID:99473151
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A: Contents: Brain
A:Accession: JC75il
A:Molecule Eyec: DNA
A:Accides: 1 212 588
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Apross references: DOM:AMU12615; NID-45762261, PIDR.BAME474.1, PID-45762262
Cisupertamily: libroblast growth factor
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MyAltonate sames: fibrobiast aroath factor 20
Cipacies: Xenopus laces (Atrican clawed trog)
Cipate: 04-Dec-1999 #sequence_revision 04-Dec-1999 #text_change 21:Jul-2000
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// Is, Mismatches 15, Indels 3,
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Prod. No. 7.86-93;
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E.Miyan.t., M., Nicot., F., Sch., C., Materimete. C., F.E.d., T., Eschiada, T., Mol. Cell. Biol. 12, 4251-4259, 1993.
A.Title: Molecular closing of a nevel cytokine cDNA encoding the minth member of the A.Refero ce number. A481-7, HUID:93-09459.
A.Recession: A481-7.
A.Status: preliminary.
A.Rolecule type: mucleic acid
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A:Access on: $66486
A:Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A:Cross-reterences: GDH:207221; OMIM:600921
A:Kap position: 13q11-13q12
C:Superfamily: fibroblast growth factor
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C;Date. 2: Jan 1994 #Sephence_revision 18 Nov 1994 #fext_change 2:-Jul-2000
C;Accession: A48137
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A.Gross (Circheco, 1888), 038258, WHI.Gl107158, PIPHLEAA07410.1: PID:ql107459
C:Superfamily: fibroblast growth tactor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            R,380, M., Noquebi, K.
FEBS Lett. 370, 231-235, 1995
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C.Species: Mus musculus (bouse mouse)
C:Date: JR-Oct-1906 #Sequence_revision 18 Mur-1907 #text_churge 20-Tue-2000
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                                                                                                                                                                                                          y Heth. 60 Pt. Note 774.5, DB 2, Local Similarity 70.6%; Pred. No. 6.5e-65; b.s. 140, Cleveroff e 20, Hismathles 80.
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A:Accession: JC5941
A:Status: preliminary
A:Status: preliminary
A:Status: preliminary
A:Accession: JPA
A:Resignes: 1-207 - MIY -
A:Cross references: pokd:ABO09551, NIB.q2911109; PIBEBBA24956.1: PIB:q2911170
C:Supertamily: Tibroblast growth factor
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ReMiyake, A.; Konishi, M.; Martin, F.H.; Hernday, K.A.: Ozaki, K.; Tamamoto, S.; Mikami, Riochem. Riochem. Commun. 243, 148-152, 1998
A:Tilly: Structure and expression of a nozacl member. PGF 16. or the fibroblust growth ta A:Reference number: JC5940; MGID:98149883
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C:Acression: Jc5940

R:Miyake, A., Kaziski, M., Martin, U.H., Hernday, M.A.: Chaki, K.: Yamamide, S.: Mitami, Highlyake, Ros. Commun. 243, 148-152, 1998

A:Fitle: Structure and expression of a movel member, PGF-16, of the fibroblast growth take Roteronce number: Jc5940; MUID:9818983

A:Roteronce of number: Jc5940; MUID:9818988

A:Roteronce of preliminary

A:Molecule type: INA

A:Residues: 1 207-MIY

A:Cross references, [588]-AR092561; NID:q2911149; PIDN:BAA24947.1; PID:q2911159

C:Supertamily: fibroblast growth lactor
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| Local Similarity 62.7%; Pred. No. 1.8e-58;
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C;Date: 13-Sep-1996 #sequence_revision 13-Sep-1996 #text_change 17 Mar. 2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R;Mahmood, R.; Kiefer, P.; Onthrie, S.; Dickson, C.; Mason, L.
Development 121, 1399-1410, 1995
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C;Species: Gallus gallus (chicken)
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$68144
$fibroblast growth factor 5 - rat
fibroblast growth factor 5 - rat
C;Spacios: Rattus morvenicus (Norway rat)
C;Bate. 06 Dec 1996 #sequence_revinion 19-Mar 1997 #text_change 20 Jun-2000
C;Accession: $68144
C;Accession: $68144
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C/Superfamily: fibroblast growth factor
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A;Cross-references: EMBL:D64085; NID:q992952; PIDN:HAA10956.1; PID:q992954 C;Superfamily: fibroblast growth factor
                                                                                                                                                                                                                                                                                                                                                                                                                                   Biochim. Biophys. Acta 1406, 31-33, 1996 A; Title: The rat FGF-5 mRNA variant degerated by alternative splicing encodes a movel \Lambda_{\rm F}
                                                                                                                          A; Residues: 1-266 < HAT->
                                                                                                                                                                                           A; Molecule type: mkNA
                                                                                                                                                                                                                                              A; Status: preliminary; nucleic acid sequence not shown
                                                                                                                                                                                                                                                                                                               A; Accession: S68144
                                                                                                                                                                                                                                                                                                                                                                         A; Reference number: $68144; MUID: 96201703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R; Hattori, Y.; Yamasaki, M.; Itoh, N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 77; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VELADSPORTMEREGGISCKLORGSP--TDFA 54
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fibroblast growth factor 5 - human
R.Airernate names: transforming protein FGF5
C:Species: Homo sapiens (man)
C:Datts: 31-Ing-1989 #sequence_revision 31-Dec 1989 #text_change 17-Mar-2000
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ArAccession: S25713
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R:Tannahill, D.; Isaacs, H.V.; Close, M.J.; Peters, G.; Slack, J.M.W.
Development 115, 695-702, 1992
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C:Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
C:Advession: 829582; 82571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cosupertamily: fibroblast growth factor
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A;Residues, i 237 <nib>
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A:Accession: 539582
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EMBO J. 12, 4156-4168, 1993
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NAIternate names: FGF-3 protein; fibroblast growth factor 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Title: Developmental_expression_of the Xenopus int-2 (FGF-3) gene: activation by mesoc
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 litle: FGF3 from Xenopus laevis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 40.6 hos 73; Conservative
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40.6%; Pred. No. 8σ-23;
attic 29; Mismatches 62; Indels 16; Gaps
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Dev. Biol. 138, 454-463, 1990
A:Title: Isolation of cDNAs encoding four mouse PGP family members and characterizati
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A):Residues: 1-264 <HEB>
A):Cross-Toferonces: GB:M30643; NID-g193294; PIDN:AAA96698.1; PID:g209238
                                                                                                                                                                                                                                                                                                                                                                      A; Status: preliminary A; Molecul > type: mRNA
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A;Accession: B37360
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A:Tille: Expression of the murine fibroblast growth factor 5 dene in the adult centra A;Reference number: A46207; MUID:91045929
A;Accession: A36207
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A, Cross references: GR-M37821; GR-M37822; GE-M37822; NID. J193280, FIDM. AABU2660.1; PI
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(:Date: 28 Mar-1991 #sequenc_recision 28 Mar-1991 #text_change 17 Har 2000
(:Accession: A36207; B37360
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C:Superfamily: fibroblast growth factor
C:Keywords: growth factor; transforming protein
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Mol. Cell. Biol. 8, 3487-3495, 1988
A:Title: The human FGF-5 encodes encodes a novel protein related to fibroblast growt A:Reference number: A31194; MUTD:89096942
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A; Residues: 1-267 < 2017
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                                                                                                                     Overy Match 28.7%; Score 321, DB 2, I
Best Local Similarity 40.3%; Prod. No. 1.8e 22;
Matches 8%; Conservative 22; Mismatches 75,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 40.4%; prod No. 9.3e-23;
Matches 82; Conservative 28, Hishatches 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      22 GEKRETPEGQPAFPENPGDSSGSEGRSSATFSSSSASSPVAASFGSQGSGSEHSSFQWSP 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20s VKPOHISTHFLPPFKOSEO-PEL 226
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              181 SKEHQKETHFLPRPVDPERVPEL 203
                                                       22 GSHFILLPPAGERPP-----TIGER-------ESAAERSARGSPGAAQLAHLHGIL----- 64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         65 RRROLYCRT--GPHIQILPDGSVQCTPQDHSLFGITFPTSVAVGLVSTPGVDSCLYLGMV 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26 LAPKGQPGPAATDRNPRGSSSRQSSSSAMSSSSAASSSPAASLGSQGSGLEQSSFQWSLGA 85
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                                                                                                                                                                                Length 264;
                                                                                                                        Indels 26,
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transforming protein (int-2) - monse
C;species: Mus musculus (house monse)
C;bato- 41-boo 1986 #soguepes_recisios 41 bec [989 #text_change 18-Jun 1999
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Fit 1/Abomoin: signal sequence #status prodicted (SIG)
FitM-230/Abrodock: Transferming provide (281-2) #statum prodicted (MAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KiBroukes, S.; Smith, R.; Casey, G.; Dickson, C.; Peters, G. oneopene 4, 429-436, 1989
oneopene 4, 429-436, 1989
Artitle: Sequence organization of the human int-2 gene and its expression in teratocarcs
Arketerence number: S04742; MHID:89226469
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CrSpecies: Homo Sapiens (man)
Crare: 10-Sep 1999 #sequence_revision 10 Sep-1999 #text_change 29-Sep-1999
                                                                       A:Title: Sequence, topography and protein coding potential of monse int-2: a putative on A:Reference number: A24940: MHID-86/49982
                                                                                                                         RIMODIC, R.J. CLOTY, C.,
EMBO J. 5, 919 924, 1986
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A; Residues: 1-245 - Mao -
                                                 A:Accession: A24940
                                                                                                                                                                           ":Accession: A23930; SD8157
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                      Madescula types DNA; mkNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Outry Match 28.5%; Score 319; DB 1; Best Local Similarity 41.1%; Pred, No. 2.4e 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                            198 ERVPELYKUL 207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              126 YNFYASRLYKTYSSIBOARROPSAERLWYVSVNORGEFFFFDEKTFEFDEKSLFLPRVLD- 184
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A;Introns: 93/2: 127/3
C;Superfamily: fibroblast growth factor
C;Keywords: embryo; fibroblast; growth factor
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A:Accession: JC4627
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C:Date: 10 May 1996 #Sequence_revision i9 Jul 1996 #Leat_change 16 Jul 1999
C:Accession: JC4627
R:Kiefer, P.: Strachle, U.; Dickson, C.
Genc 168, 21:-215, 1996
Genc 168, 21:-215, 1996
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A.int:ons. 7(2), 108/3
A.int:ons. 7(2), 108/3
C:Superfamily: fibroblast growth factor
C:Keywords: growth factor; transforming protein
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conceptual translation A:Molecule type: mkNA A:Molecu
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Rature 343, 662-665, 1990
Artitle: Subcellatar face of the Int 2 oncoprotein is determined by choice of initial A.Beference name. - x08157; MCD:590158795
A:Accession: S08157
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A;Experimental source: embryo
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                                                                       Ouery Match 28.4%; Score 317; DB 1; Best Local Similarity 43.0%; Pred. No. 3.8e-22;
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                                                                                                                                                                                           91 PESTERTANDAGVANIKGEPSKALAMBEKONENASENTRIKEODETLEKTEDEGYNTYAS 150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             32 PCAROQACIPEQERDAGGEOOV YEHLOGAPRERRLYCATKYBLÇTHPRGETDGSLEENN 90
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Swarch completed: October 26, 2001, 18:36:01 Job time: 171 sec